P7F-M

Manageable & Diminutive mATX Form Factor Server

With leading-edge architecture to support latest technologies, the space-saving 9.6” x 9.6” Micro ATX serverboard P7F-M is suitable for small form factor server. The integrated dual server class GbE LAN ports provides highly reliable network connections, while the optional ASMB4-iKVM module makes the server manageable for entry-level users.

Specifications

Processor / System Bus	1 x Socket 1156 Quad Core Intel Xeon 3400 series Server Processor Quad Core Intel Core i7-800 series Desktop Processor★ Quad Core Intel Core i5-700 series Desktop Processor★ Dual Core 32nm CPU design Ready ☆ Dual Core/Quad Core
Core Logic	Intel® 3420 PCH
Form Factor	MicroATX 9.6" x 9.6"
ASUS Features	Rack Ready (Rack and Pedestal dual use) ASWM2.0 FAN speed control
Memory	**Total Slots:** 4 (2-channel) **Capacity:** Maximum up to 32GB (RDIMM)/ Maximum up to 16GB (UDIMM) *Desktop Processor do not support RDIMM nor ECC UDIMM **Memory Type:** DDR3 1066/1333 Unbuffered DIMM with ECC/ non ECC**/DDR3 800/1066/1333 Reg DIMM # **Memory Size:** 1GB 2GB 4GB 8GB (RDIMM)/ 1 GB, 2GB, 4GB (UDIMM)
Expansion Slots (follow SSI Location #)	**Total PCI/PCI-X/PCI-E Slots:** 4 **Slot Location 4:** 1 * PCI 32bit/33 MHz **Slot Location 5:** 1 * PCI 32bit/33 MHz **Slot Location 6:** 1 * PCI-E x16 (x16 link) **Slot Location 7:** 1 * PCI-E x8 (x4 link)
Storage	**SATA Controller:** Intel® 3420: 6* SATA2 300MB/s ports - Intel Matrix Storage utility supports software RAID 0, 1, 10 & 5(Windows) LSI MegaRAID driver supports software RAID 0, 1& 10(Windows & Linux)
Networking	**LAN:** 2 * Intel 82574L + 1 * Mgmt LAN
Graphic	**VGA:** Aspeed AST2050 8MB
Onboard I/O Connectors	1 x PSU Connector 24-pin ATX power connector + 8-pin ATX 12V power connector

	3 x USB Connectors (support 5 USB ports) (One for internal Type A USB connector) 1 x Fan Header 5* 4pin 1 x SMBus 1 x Chassis Intruder 1x Serial Port Header
Rear I/O Connectors	1 x External Serial Port 2 x External USB Port 1 x VGA Port 2 x RJ-45 1 x PS/2 KB/Mouse
Management Solution	**Software:** ASWM2.0 **Out of Band Remote Management:** Optional ASMB4-iKVM for KVM-over-Internet
Monitoring	CPU Temperature FAN RPM
EMI	US (FCC, CFR47 Part 15, Class B) Europe (CE, EN55022 & EN55024) Australia (C-TICK)
Environment	**Operation temperature:** 10℃ ~ 35℃ / Non operation temperature: -40℃ ~ 70℃ **Non operation humidity:** 20% ~ 90% (Non condensing)
Accessories	Standard Gift Box Pack: 1 x User Guide 1 x Support CD 1 x I/O shield 6 x SATA Cable 1 x Plate for LGA1156
	Standard Bulk Pack (10pcs per Carton): 1 x User Guide 1 x Support CD 1 x I/O shield 1 x Plate for LGA 1156
Product SKUs	Standard Gift Box Pack Standard Gift Box Pack with ASMB4-iKVM Standard Bulk Pack Standard Bulk Pack with ASMB4-iKVM
Note	★ Do not support RDIMM nor UDIMM with ECC ☆Refer to Asus Server CPU AVL for latest update ＃Refer to ASUS Server AVL for latest update ※24 + 4 Pin Power Supply Ssupported

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets. PCB color and bundled software versions are subject to change without notice. Brand and product names mentioned are trademarks of their respective companies.